

GXV3370 Firmware Release Notes

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FIRMWARE VERSION 1.0.1.43

PRODUCT NAME

GXV3370

DATE

2/25/2019

FIRMWARE FILE INFORMATION

- GXV3370 firmware file name: gxv3370fw.bin

MD5: 88d6fa287939f2422f6ce955395fb46e

CHANGES SINCE FIRMWARE VERSION 1.0.1.33

ENHANCEMENT

- Supported Programmable Key ordering can be synchronized after changing from web UI.
- Added CEI and CCM support for UCM Conference
- Improved UI for LCD display such as Voicemail, MPK, Settings, FileManager, call screen and language translation issues
- Improved web UI options and tooltips
- Added support for Broadsoft Flexible Seating guest lock/unlock feature
- Added option to disable recording during call
- Added recording application on LCD
- Added support for changing the color of the text used by the phone
- Added support for programmable key widget selection [MPK SELECT]
- Added support for Czech language
- Added support to boot up in safe mode and option to boot the phone in safe mode from web GUI
- Added ability to view and play recordings in CallHistory app [RECORD IN CALL HISTORY]
- Added RTP timeout support [RTP TIMEOUT]
- Added mute support for paging/intercom [MUTE INTERCOM]
- Added SIP NOTIFY support to sync phonebook [NOTIFY SYNC PHONEBOOK]
- Added ability to monitor MPK on call screen while on active call
- Added support for second dial tone [SECOND DIALTONE]
- Added option to support SUBSCRIBE expiration [SUBSCRIBE EXPIRE]
- Added support for Baudisch Door System feature
- Added support to transfer a call via MPK BLF [BLF TRANSFER]
- Added support for disabling handset [HANDSET OPTION]

- Added ringtone selection support for door system settings [DOOR SYSTEM RINGTONE]
- Added P-Access-Network-Info Header in SIP Register.
- Removed codec Jitter Buffer Type settings from web UI account settings since GXV3370 is using a fixed value.
- Removed Hide Local Call History from web UI phone settings due to local Contacts app would not include Broadsoft contacts.

BUG FIX

- Fixed During video call with full screen, end button doesn't show on the function list
- Fixed Some star key feature codes works abnormally
- Fixed Conference meeting recording file name display incorrectly
- Fixed When a new call is added in the conference and rejected, switching back to conference can still hear busy tone
- Fixed Three-way video conference will transfer the call, causing the dial-up plug-in video button gray out
- Fixed During the meeting invitation, if user opens the video and clicks Keep, the interface shows an error
- Fixed some call related issues with video call and transfer operations
- Fixed User can open music player while calling
- Fixed some P parameter's value issues
- Fixed After selecting the 802.1x security WiFi input password, the connection button is gray
- Fixed WiFi configuration WLAN interface sometimes appears IPV6 address
- Fixed Clicking the "finish" button on the soft keyboard, the soft keyboard will not disappear
- Fixed Device has no call park indicator in MPK widget for Broadsoft call park
- Fixed some SMS app related issues
- Fixed some door system call related issues
- Fixed Screen has flashback when clicking on conference app on idle screen
- Fixed EHS headset related issues
- Fixed Device sends duplicate requests for config provisioning
- Fixed Device reboot loop issue with some specific config file provisioned
- Fixed Device keeps dialing DND Call Feature Off code after IVR provision with Broadsoft
- Fixed Device web UI display and search issues
- Fixed FileManager related issues when there are multiple operations such as copy, move and delete
- Fixed The account registration account cannot be refreshed in real time
- Fixed Device cannot press BLF to blind transfer a call with 3CX
- Fixed Dialing a number on Skype generates a continuous tone
- Fixed Security issue using command injection
- Fixed Device dials wrong number through call history for transferred calls
- Fixed Device does not return to main desktop after canceling WiFi/hotspot authentication
- Fixed Vipole app integration issue on device
- Fixed Noise appears during media channel switch

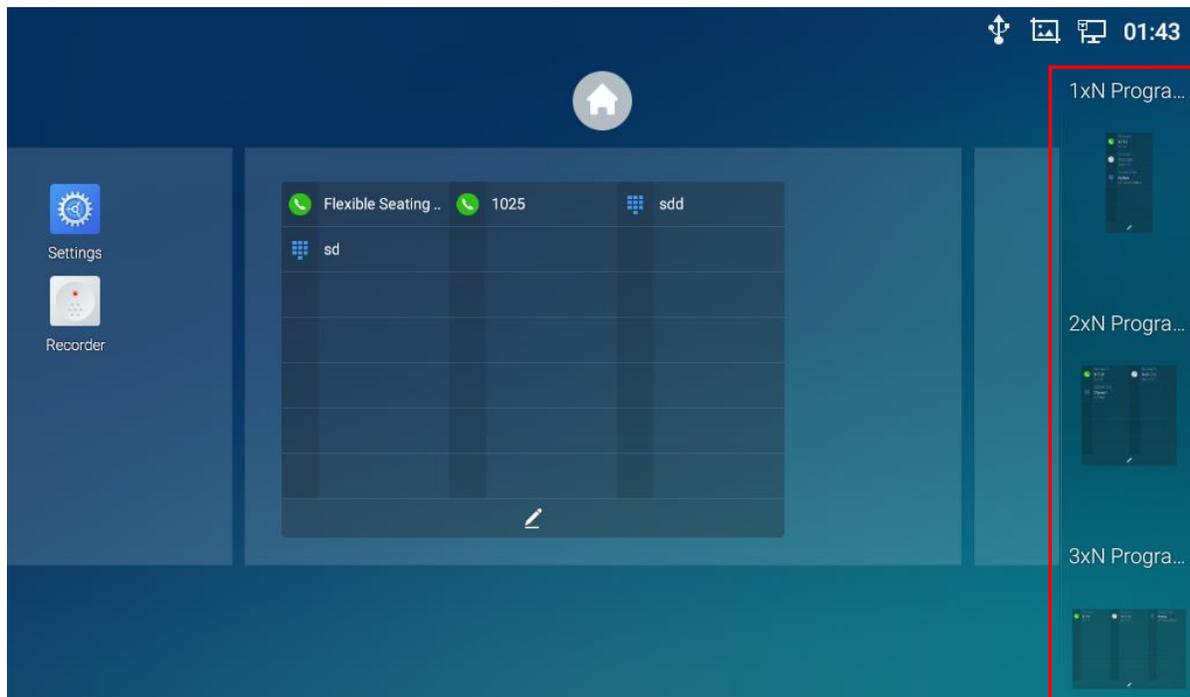
- Fixed MJPEG stream issue with authentication
- Fixed Broadsoft Device Management provision issues
- Fixed Broadsoft Contact header is not included in SIP message
- Fixed some Broadsoft bugs in call functions and call status update.
- Fixed GMI command not working issues
- Fixed Virtual group related issues
- Fixed Multicast paging name display issue
- Fixed The sent video frame rate cannot match the configuration
- Fixed Issues related to device cannot scan Wi-Fi access point
- Fixed Imported contact replacement is not working
- Fixed Some Call-info header information is not working
- Fixed IPv6 static address ignores prefix length
- Fixed SIP message overrides LDAP information in display
- Fixed Device does not reconnect to previously connected Wi-Fi network after the SSID is back in range
- Fixed Device cannot download apps larger than 50MB from GSMarket

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

MPK SELECT

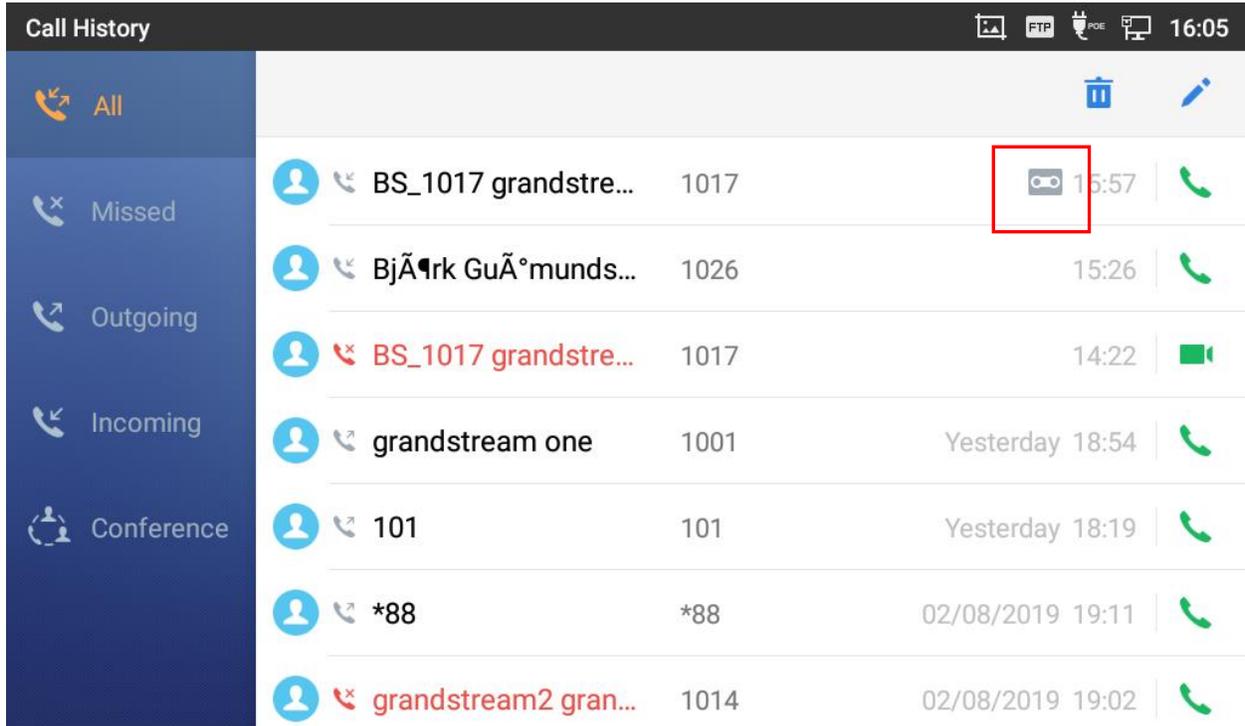
This feature allows user to drag the Programmable key widget to desktop. Long press the desktop to display widgets on the right. Drag it to the desktop.



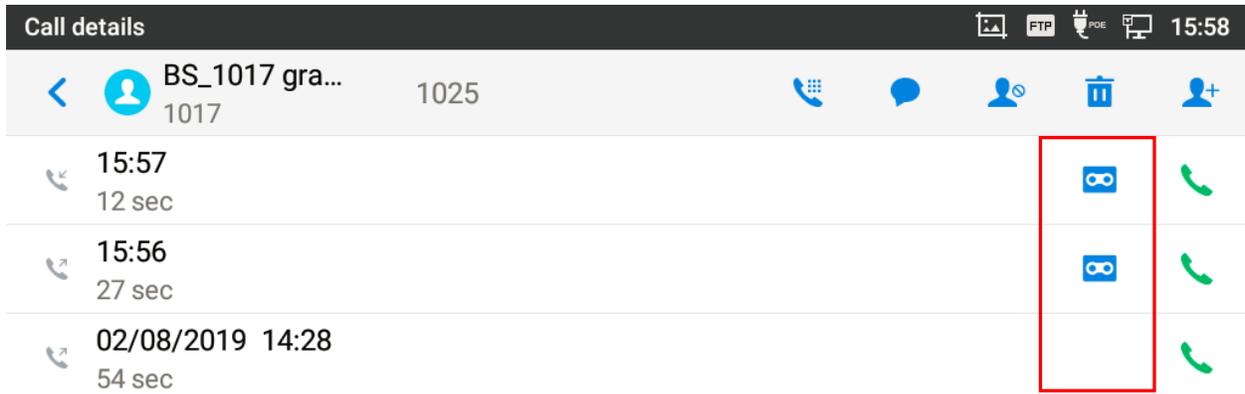
RECORD IN CALL HISTORY

This feature allows user to a check the call recordings from call history app.

1. From LCD, press CallHistory icon to call history list. If the call has 1 or more recording, there would an icon on the right like below.



2. Click the call history item to show call details. For each call on the number, it will display whether the call has recording, shown as below.



3. Click the recorder icon on the right to open the recording, and tap on the item shown below to play the recording.

Recording file is displayed:

Record			
	BS_1017 grandstream-...	00:22	15:57 162KB

Recording file is playing:

Record			
	BS_1017 grandstream-...	00:22	00:00:04 

RTP TIMEOUT

This feature allows to disconnect a call automatically if the phone does not receive the RTP packet within the specified RTP time. If set to 0, the call would not terminated automatically. The setting is under web UI -> Account -> Codec settings. The range is 0 - 600. P-value account 1 - 16: 29068, 29168, 29268, 29368, 29468, 29568, 53698, 53798, 53898, 53998, 54098, 54198, 54298, 54398, 54498, 54598.

RTP Timeout (s) 

MUTE INTERCOM

This feature allows to mute intercom by Call-info or Alert-info header. Enable the settings under web UI -> Account -> Call Settings -> Mute on Answer Intercom Call. P-value for account 1 - 16: 26071, 26171, 26271, 26371, 26471, 26571, 52671, 52771, 52871, 52971, 53071, 53171, 53271, 53371, 53471, 53571.

Mute on Answer Intercom Call 

NOTIFY SYNC PHONEBOOK

This feature allows to the device to accept SIP NOTIFY message from server to synchronize the phonebook. It is under web UI -> Account -> Advanced Settings. Default is Yes. P-value for account 1 - 16 are: 26099, 26199, 26299, 26399, 26499, 26599, 52699, 52799, 52899, 52999, 53099, 53199, 53299, 53399, 53499, 53599.

Allow Sync Phonebook via SIP Notify 

SECOND DIALTONE

This feature allows to configure second dial tone on web UI -> Phone Settings -> Ringtone. . P-value is 2909.

Second Dial Tone 

SUBSCRIBE EXPIRE

This feature allows to configure refresh time (in minute) to send SIP SUBCRIBE message. It is under web UI -> Account -> SIP Settings. Value range is 0 - 64800. Default is 60. P-value for account 1 - 16 are: 26051, 26151, 26251, 26351, 26451, 26551, 52651, 52751, 52851, 52951, 53051, 53151, 53251, 53351, 53451, 53551.

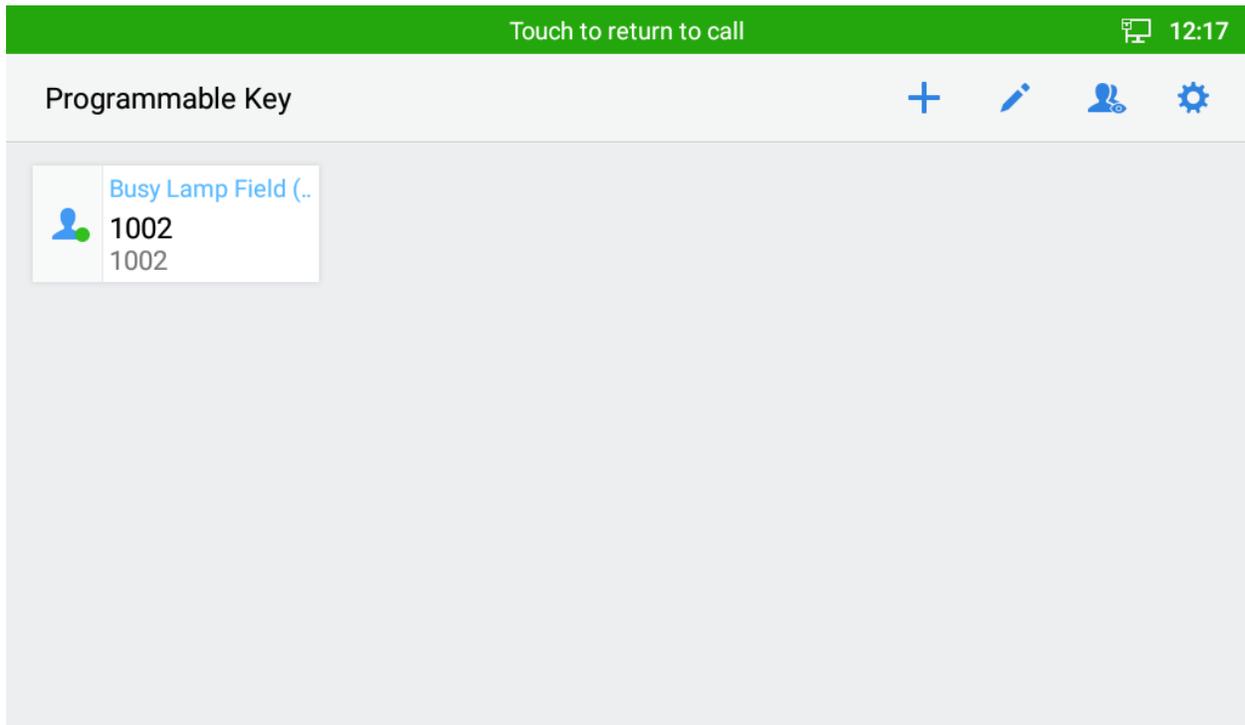
Subscribe Expiration (m) 

BLF TRANSFER

This feature supports transfer via BLF button during a call. Enable the settings under web UI -> Phone Settings -> Call Settings. Default is No. P-value is 22162.

Enable transfer via non-Transfer Programmable Key 

During the call, press More -> MPK to select the BLF button to transfer the call.

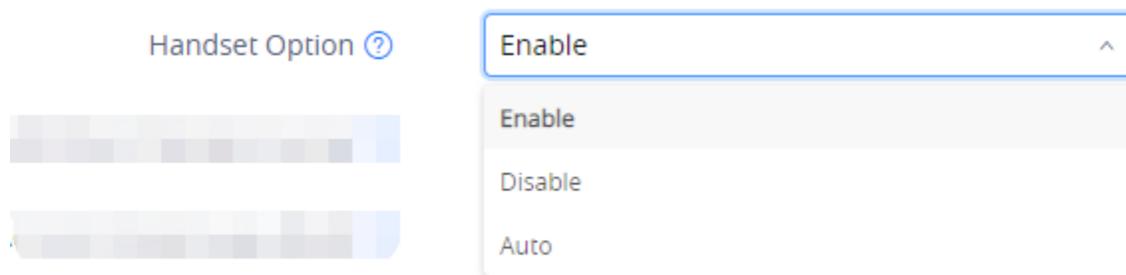


HANDSET OPTION

Handset Option is for audio path and GXV3370 dialer control when running 3rd party app that uses media path. It is under web UI -> Phone Settings -> Call Settings.

Currently there are three options supported:

1. Enabled: Default mode. When handset is lifted, audio will come through handset and the GXV3370 default dial screen will show.
2. Disabled: In this mode, when running the 3rd party app, if handset is lifted, the audio path will switch to handset but GXV3370 default dial screen won't show (users won't hear dial tone either). Onhook the handset, the audio path will be switched to speaker. Under this mode, even the GXV3370 is not using the 3rd party application, picking up the handset will not activate the dialer. (Users can still use Call button to activate dialer under this mode.)
3. Auto: In this mode, the GXV3370 will automatically detect if the audio path is used by 3rd party app first. If yes, it will use the handset mode "Disabled". Otherwise, it will use "Enabled" mode. Please note that running the 3rd party app doesn't necessarily mean the audio path is used by the 3rd party app. If the audio path is not occupied by the 3rd party app, GXV3370 will still use the handset mode "Enabled".



DOOR SYSTEM RINGTONE

This feature is added for configure ring when settings door button.

From web UI -> Value-added Service -> Value-added Service -> Add a new button, and then configure the ringtone shown as below.

Value-added Service (0/10)

Service Type ?	Door System	▼
Door System Type ?	GDS	▼
Display Name ?		🗨️
System Number ?		🗨️
Access Password ?		🗨️
System Ringtone ?	Carina	▼

FIRMWARE VERSION 1.0.1.33

PRODUCT NAME

GXV3370

DATE

10/18/2018

FIRMWARE FILE INFORMATION

- GXV3370 firmware file name: gxv3370fw.bin

MD5: 811b0898da77b5960606d18c3d362508

CHANGES SINCE FIRMWARE VERSION 1.0.1.28

ENHANCEMENT

- Supported TLS version 1.2.
- Updated to SDK package version 1.1.5.
- Updated the font-family from "Microsoft YaHei" to "SimHei"
- Supported changing input keyboard on LCD. [CHANGE KEYBOARD]
- Added Android service PC port mode configuration.
- Supported RJ9 headset switch in dropdown panel.
- Supported string "N/A" to display temperature in Weather app.
- Modified the UI in LCD Settings.
- Hid LCD/DDR/Factory Serial Number in web UI -> Status -> System Info.
- Updated some tootips/strings in web UI.
- Added more options in web UI Contacts Automatic Download Interval: 5 min, 30 min, 1 hour.
- Improved some Buletooth call performance.
- Added notification for fullscreen video conference when a member joins or exits.
- Added "Emergency calling..." in emergency call interface.
- Changed the default page in Browser to Google Search.
- Added reboot process for MPK provision to insure the functionality.
- Added dial tone when starting inviting conference members.
- Added prompt when number of imported contacts reach the limit.
- Added SMS app. [SMS]
- Supported choosing call function buttons for single call or conference. [CALL FUNCTION BUTTONS]
- Added FTP server in File Manager. [FTP SERVER]

BUG FIX

- Fixed exported device configuration file contains the SIP authentication password from account 7 - 16.
- Fixed received file would display "Unknown device" on LCD Bluetooth -> Show received file after Bluetooth is disabled
- Fixed device uses only account 1 to speed dial even active account is set to another one.
- Fixed device cannot reconnect Bluetooth from distant place to close.
- Fixed Event Notification failed on Forward On and Forward Off.
- Fixed web UI account information cannot be saved after device network is disconnected.
- Fixed after setting different account for MPK in web UI, device still uses account 1.
- Fixed device does not display setup wizard after data wiping.
- Fixed disabling SSH would cause web UI logout.
- Fixed web UI does not synchronize the auto answer feature configuration from LCD.
- Fixed Weather app city search result display the bottom of the list.
- Fixed inputting character issue during factory reset when Configuration via Keypad Menu is "Constraint Mode".
- Fixed device failed to parse DHCP Option 160 domain.
- Fixed device enables hotspot and an "Error" shows up.
- Fixed DTMF does not take effect after receiving 183 response.
- Fixed device would unregister the account after Account -> SIP Settings -> SIP Registration is unchecked.
- Fixed holding menu softkey can open thread management while device is under diagnostics.
- Fixed Offhook Auto Dial still takes effect when adding a new call.
- Fixed Offhook Auto Dial allows special characters.
- Fixed cannot close the media channel prompt in dial screen when tapping the outside area.
- Fixed device cannot display Broadsoft AoC information.
- Fixed device MPK can only add up to 5 conference members. Now it supports adding up to 6.
- Fixed the Value-added service title "Door system Name" to "Display name" when the type is DTMF.
- Fixed Account and Value are empty in the web UI BLF list after adding a quick conference MPK.
- Fixed quick conference MPK name cannot display special characters.
- Fixed BLF list items do not updated the order after clicking the moving up/down button.
- Fixed device does not upgrade within the interval if Automatic Upgrade Check Interval is set to more than 1 day.
- Fixed the noise when device starts reboot.
- Fixed moh file upload failed issue when the audio file name contain some special characters.
- Fixed Bluetooth connection during an ongoing call would cause system service stop.
- Fixed the issue that some special characters ("',,') in SSID name will cause the WebUI SSID list display issue.
- Fixed the string in multicast paging interface to "multicast" from "Talking..."
- Fixed device would trigger upgrade by holding "Volume -" and "Home" softkey during firmware upgrade.
- Fixed callpark prompt button positions issue.

- Fixed after a 7-way conference, device cannot set up the same conference from call history.
- Fixed device does not hold a Bluetooth call when switching from a SIP call.
- Fixed pressing “#” does not have key tone when “Use # as Dial Key” is disabled.
- Fixed call transfer from MPK does not work issue.
- Fixed 802.1X network needs reboot to get IP.
- Fixed Bluetooth visible feature is disable after updating date and time.
- Fixed return button in LCD 802.1X mode settings does not work.
- Fixed device connects to 802.1X SSID but cannot display 802.1X configuration.
- Fixed LCD MPK app cannot reorder the buttons.
- Fixed downloading GS Market Skype_rovers issue.
- Fixed device does not open media channel for EHS after switching from an ongoing call.
- Fixed device can delete a locked recording file.
- Fixed device cannot click LCD Conference icon to enter it after putting the 7-way conference in background.

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user’s point of view.

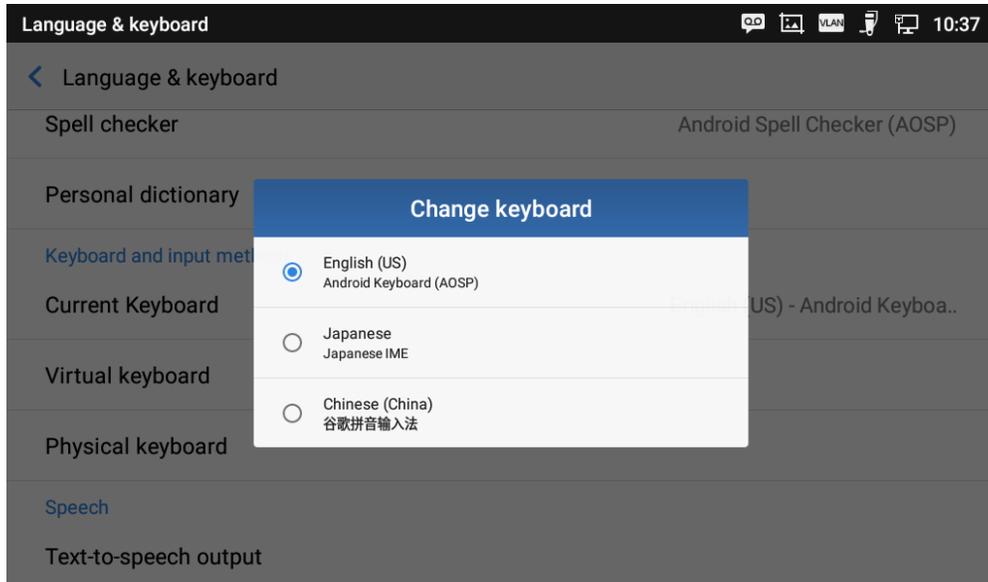
CHANGE KEYBOARD

The new feature allows user to choose different input method on LCD.

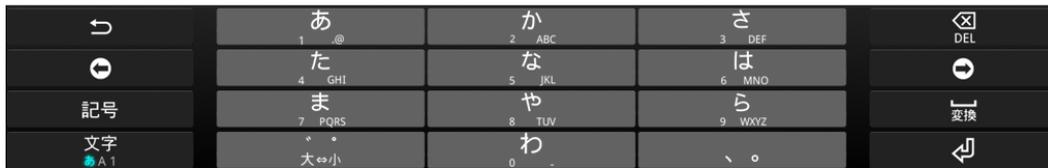
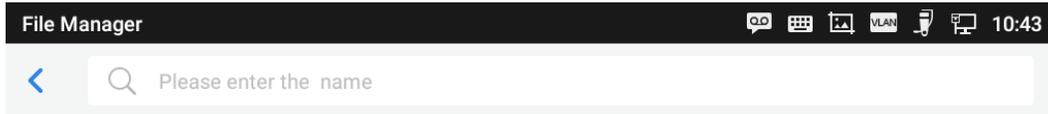
1. Go to LCD Settings -> Language & keyboard -> Virtual keyboard, click the “+” to add more input method.



2. Go to LCD Settings -> Language & keyboard -> Current keyboard, and choose from the added input methods, for example, Japanese IME.



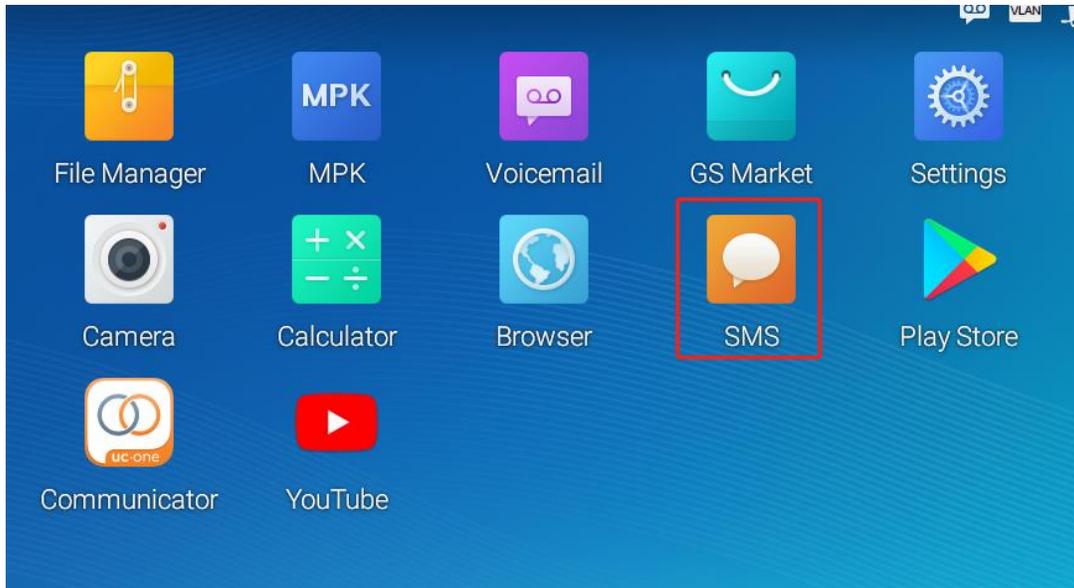
3. The input method would change to the new one like below.



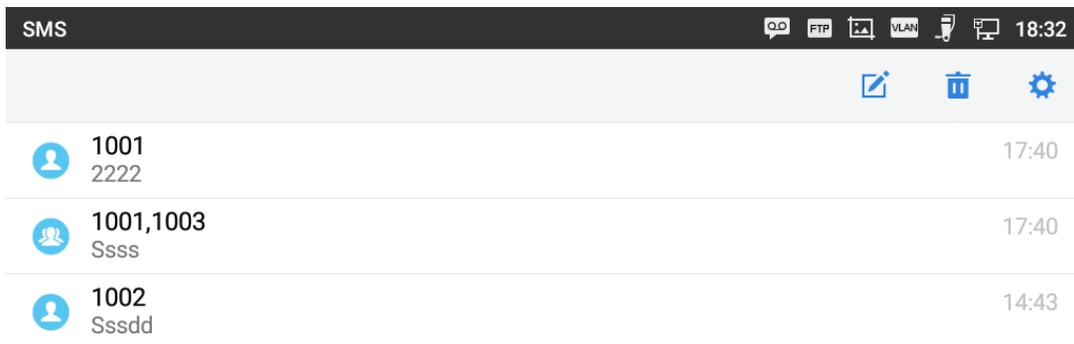
SMS

This app allows account to send message via SIP if the other party or platform supports it.

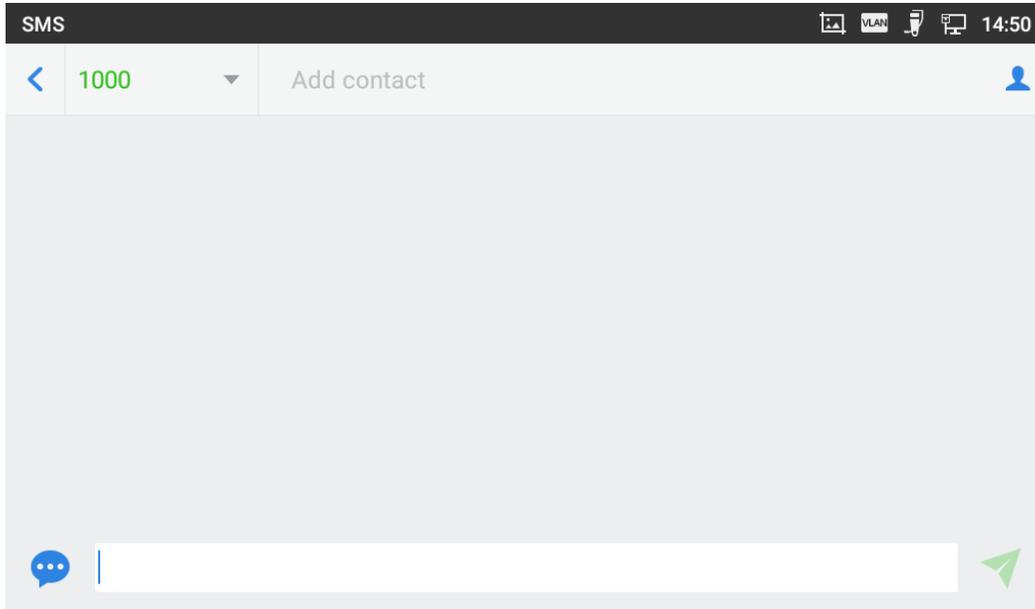
1. Open the app from desktop.



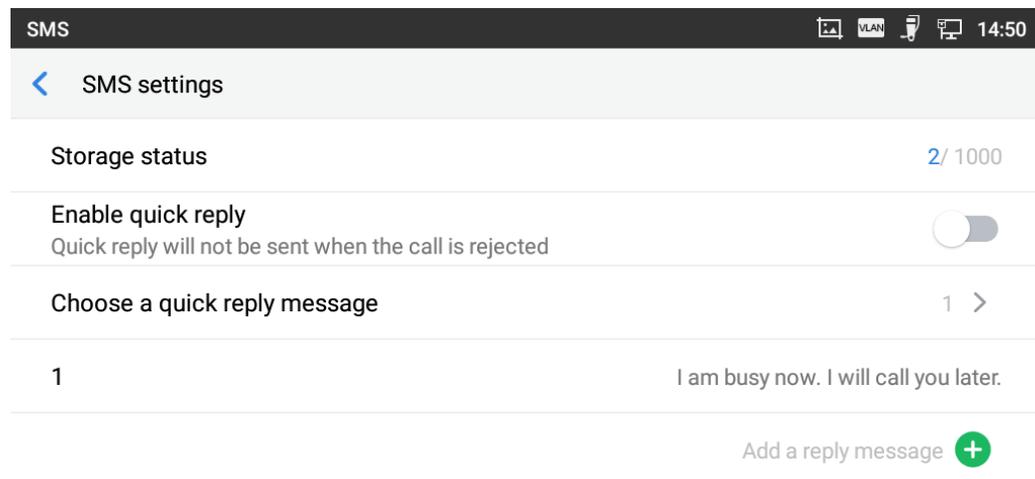
2. In the app, all messages are listed. User can exit, delete, check the message(s).



3. To edit a new message, choose the sender account, tap in the contact area to add more account. Edit the message text at the bottom.



4. In the settings, user can edit quick reply, which is used to reply an incoming call.



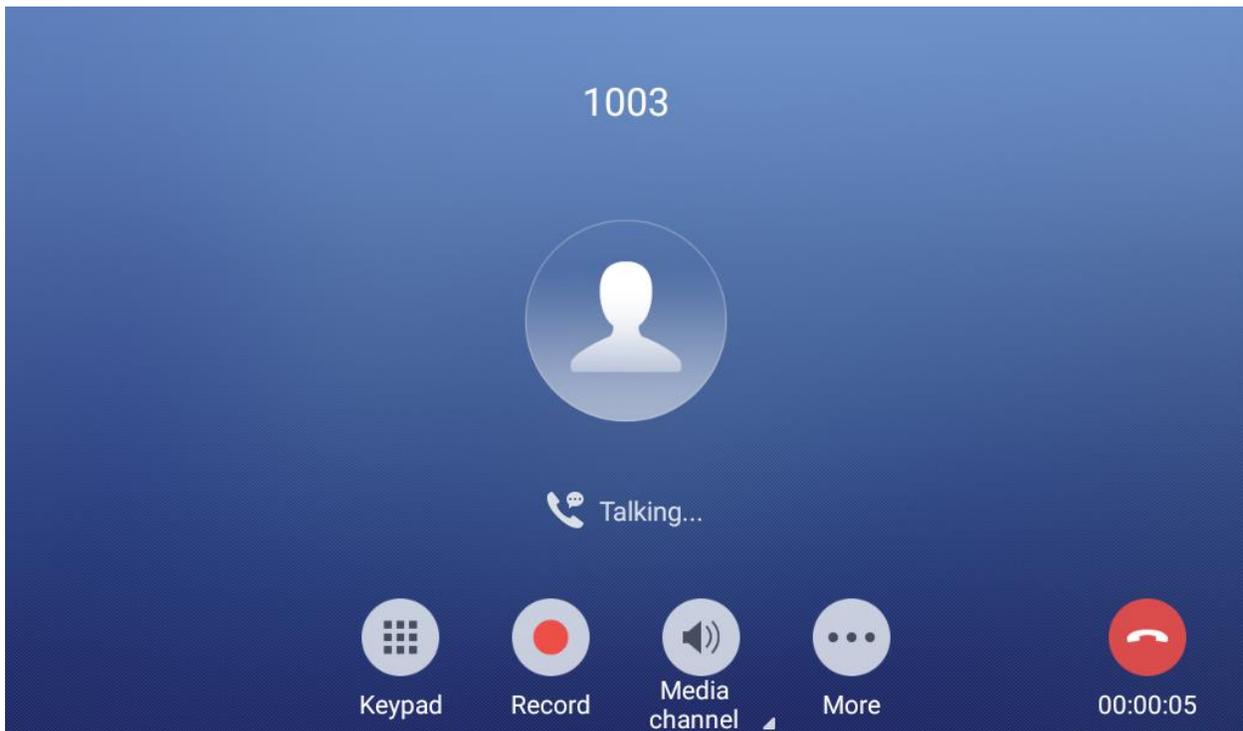
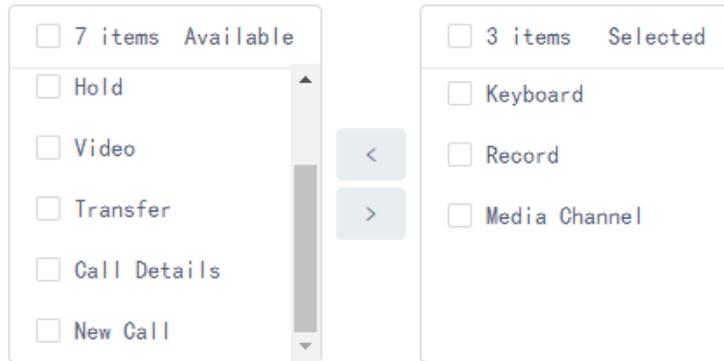
CALL FUNCTION BUTTONS

This feature allows user to customize the call functions in call interface. User can choose 3 buttons for 2-way call and 3 for conference call. The feature is under web UI -> Phone Settings -> Call Settings.

1. 2-way call function buttons. For example, if user adds Keyborad, Record, Media Channel to the right, these 3 button will display in call interface.

Available buttons are: Mute, Hold, Video, Record, Transfer, Call Details, New Call, Keyboard, Media Channel, Conference.

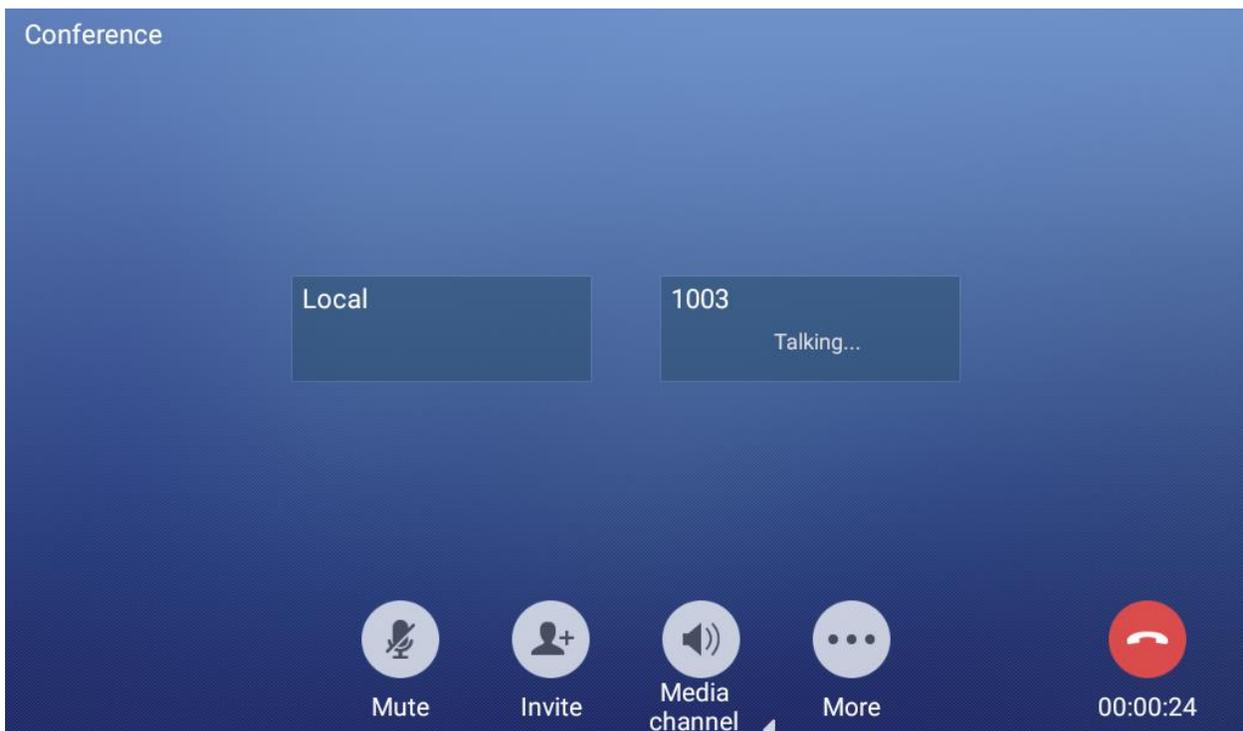
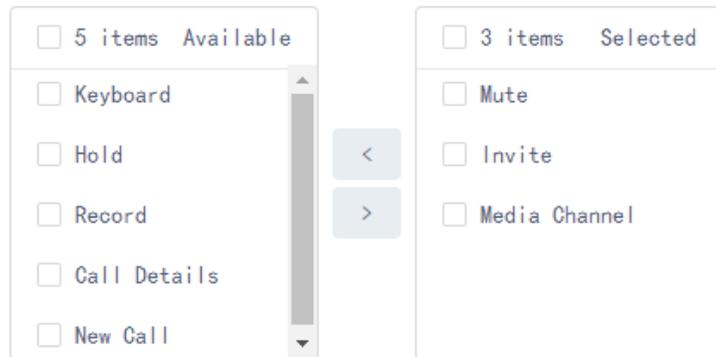
One-Way Call Function Buttons ?



2. Conference call function buttons. For example, if user adds Mute, Invite, Media Channel to the right, these 3 button will display in call interface.

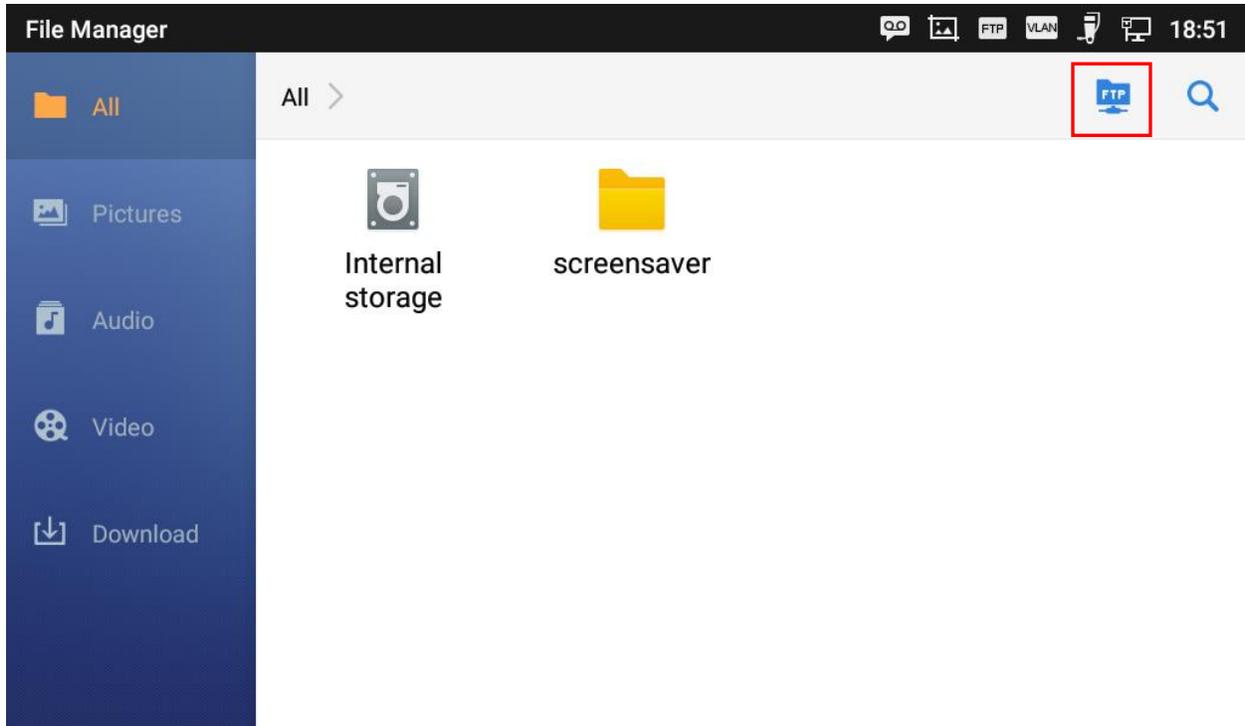
Available buttons are: Mute, Hold, Record, Call Details, New Call, Keyboard, Media Channel, Invite.

Conference Call Function Buttons ?



FTP SERVER

The FTP server is added in File Manager app, on the up right of the directory. By starting the service, user can access device files.



1. Click “Start FTP server” to start the service.



You can use FTP service to manage your files via PC.

Start FTP server



FIRMWARE VERSION 1.0.1.28

PRODUCT NAME

GXV3370

DATE

08/24/2018

FIRMWARE FILE INFORMATION

- GXV3370 firmware file name: gxv3370fw.bin

MD5: 5113e21234c3380536d52d816eeab27d

CHANGES SINCE FIRMWARE VERSION 1.0.1.12

ENHANCEMENT

- Added different service type to web UI Value-added Service. [VALUE-ADDED SERVICE TYPE]
- Supported call park indicator for subscribed users in MPK.
- Updated device would display “transfer” button when enabling auto preview and transfer the incoming call.
- Added a title in factory reset prompt.
- Supported SDK. Please refer to SDK How-to Guide in below link:
http://www.grandstream.com/sites/default/files/Resources/GXV33xx_SDK_Framework_Service_Package.zip
- Added the conference call date and duration on the top of screen from CallHistory.
- Added Wi-Fi country code configuration. [COUNTRY CODE]
- Added a new option “Basic settings & Network settings” in web UI -> System Settings -> Security Settings -> Configuration via Keypad Menu. This allows user to configure Wi-Fi and Hotspot in addition to basic settings.
- Supported adjusting the MPK widget height. [ADJUSTING MPK WIDGET]
- Updated tooltip for “Number of Accounts the Virtual Account Group Register”.
- Removed “Prefer Non-Interleaved Mode” in account code settings.
- Added “Speed conference” in MPK. [SPEED CONFERENCE]
- Supported creating CUST file with the online GUI Config Tool: <http://tools.grandstream.com:8081>. [GUI CONFIG TOOL]
- Moved 802.1X mode settings from LCD Settings -> Network -> General network settings to Settings -> Network -> Ethernet settings.
- Added a note in Conference to show how to add multiple member to a conference call.

- Removed the Value-added Service DTMF content length limit.
- Added LCD Settings -> Network -> VPN, to add or edit VPN profile. [VPN SETTINGS]

BUG FIX

- Fixed the options in LCD Settings -> Basic -> Date & time -> Select date format has duplicate.
- Fixed the LCD Settings -> Features -> Call forwarding -> No answer timeout (s) is 60. Now is 120 to match web UI.
- Fixed Route-header value is missing on BYE and 200OK ACK when device initiates the call.
- Fixed web UI Applications -> Contacts -> General settings -> Default Contacts Tab: LDAP Search does not take effect.
- Fixed creating a new contact without number will add a wrong number automatically.
- Fixed after setting web UI Configuration via Keypad Menu to “Basic settings only”, user can still access WiFi settings through notification.
- Fixed LCD adding call forward number from contact would make keyboard pop up for short time.
- Fixed upgrade process bar will display 100% even the firmware file is incompatible.
- Fixed dialing an SRTP call via feature code does not work after enabling call features.
- Fixed device cannot adjust Bluetooth headset volume.
- Fixed disabling LLDP from LCD does not update the notification bar and vlan tag value.
- Fixed device Bluetooth connects a cellphone and cellphone number is displayed as a speed dial MPK rather than an account.
- Fixed after screen off, device does not display soft keyboard when filling HTTP/HTTPS username or password for firmware upgrade in LCD.
- Fixed MPK widget layout issue after language is changed.
- Fixed device cannot dismiss a file copy operation in File Manager.
- Fixed device screen is not on when receiving file via Bluetooth, but only a notification tone.
- Fixed web UI Account 6 and some other buttons are not clickable when searching words in web UI.
- Fixed device return to home screen during a call and hang up handset, the call is not ended but to speaker mode.
- Fixed after enabling hotspot, disable the hotspot from scrolled-down notification bar will make the hotspot icon blink.
- Fixed device network icon display issue when cable is unplugged.
- Fixed device Bluetooth connects a cellphone would clear call history.
- Fixed device would stop running when establishing a call with more than 6 channels.
- Fixed that in a conference, device mutes other member and then turn off/on video. Although there is a mute icon on other members, the device can still hear audio from them.
- Fixed Wi-Fi has no Internet after successfully connected.
- Fixed device would automatically restart after Wi-Fi is disabled.
- Fixed device fails to send video stream after an audio call is established.
- Fixed device can still access Wi-Fi and hotspot settings when web UI -> System Settings -> Security Settings -> Configuration via Keypad Menu is set to “Basic settings only”.
- Fixed device failed to provision correct value to SIP account Session Expiration.

- Fixed device uses SIP account and Bluetooth account to establish a conference call but fails to hold it.
- Fixed the notification icon error after cleaning up SD card storage.
- Fixed device sends data to former proxy after update.
- Fixed invalid DNS server and vlan tag values used in provision would cause boot loop.
- Fixed device does not send TFTP request when Option 66 includes TFTP header.
- Fixed from status bar, device WiFi and Bluetooth color would change if Hotspot is enabled.
- Fixed device “contact has stopped running” error when editing an existing contact group.
- Fixed device fails to clear credentials issue.
- Fixed web UI Account -> Account Name becomes empty after Account Advanced Settings is updated.
- Fixed device presentation does not work after it is blind transferred.
- Fixed web UI Value-added Service -> Broadsoft Settings “Auto-filling Pickup Feature Code” does not work.
- Fixed audio issue when account RTP IP Filter is set to “IP and Port”.
- Fixed device cannot adjust volume based on information in Call-info header.
- Fixed device cannot register an account when switch from PPPoE to WiFi over PoE.
- Fixed device displays wrong message when it fails to open GDS.
- Fixed device cannot display or send local video after answering second incoming call when there are 2 incoming video calls at the same time.

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user’s point of view.

VALUE-ADDED SERVICE TYPE

The new feature allows user to choose the service type in web UI -> Value-added Service. User now can select either “Door System” or “DTMF”.

1. If the user configures the Door System Service, user can access the button when there is door system call. Show as “door_button” example below.

Service Type  Door System

Door System Type  GDS

Name  door_button

System Number  680

Access Password  

<input type="checkbox"/>	No.	Service Type	Name	System Number	Operation
<input type="checkbox"/>	1	GDS	door_button	680	 
<input type="checkbox"/>	2	DTMF	dtmf_button		 



2. If the user configure the DTMF, then he/she can press “keypad” in call screen to access the DTMF key. Shown as below.

Service Type [?](#)

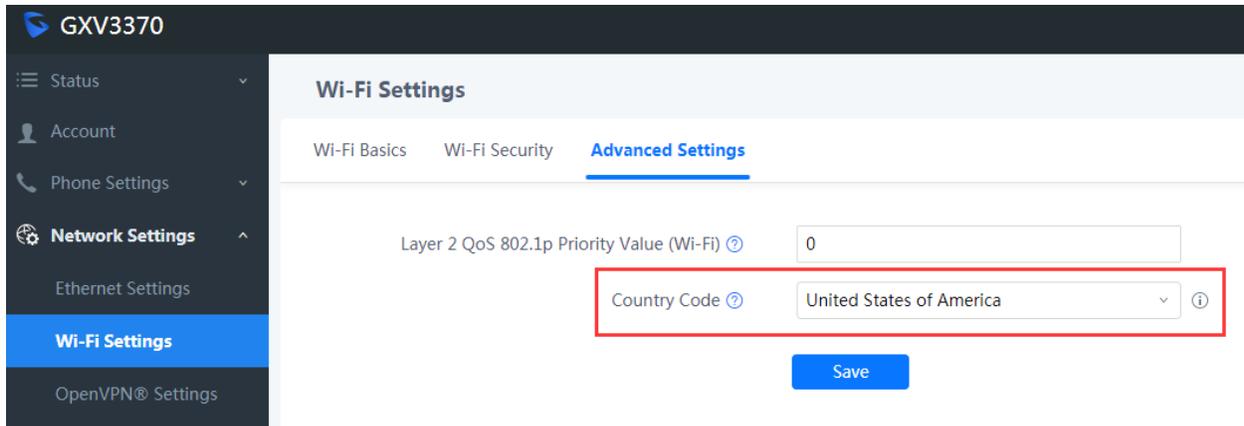
Name [?](#)

DTMF Content [?](#)



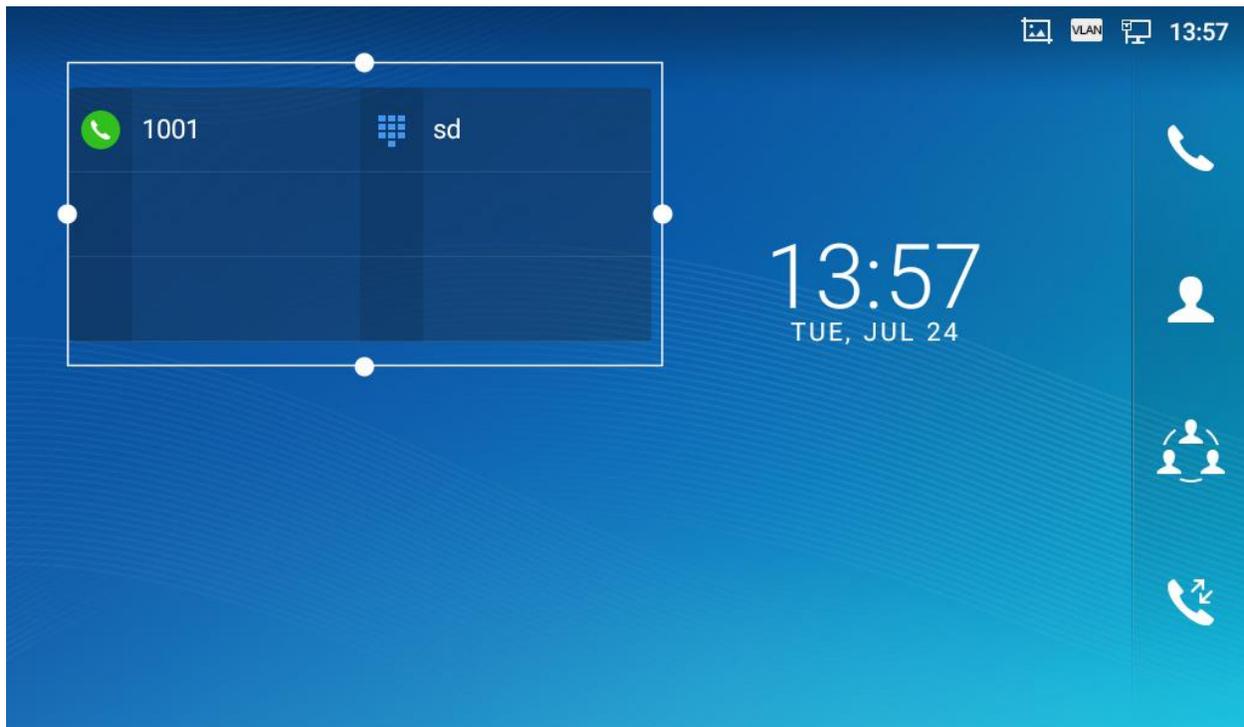
COUNTRY CODE

This feature allows user to configure Wi-Fi country code from web UI -> Network Settings -> Wi-Fi Settings -> Advanced Settings.



ADJUSTING MPK WIDGET

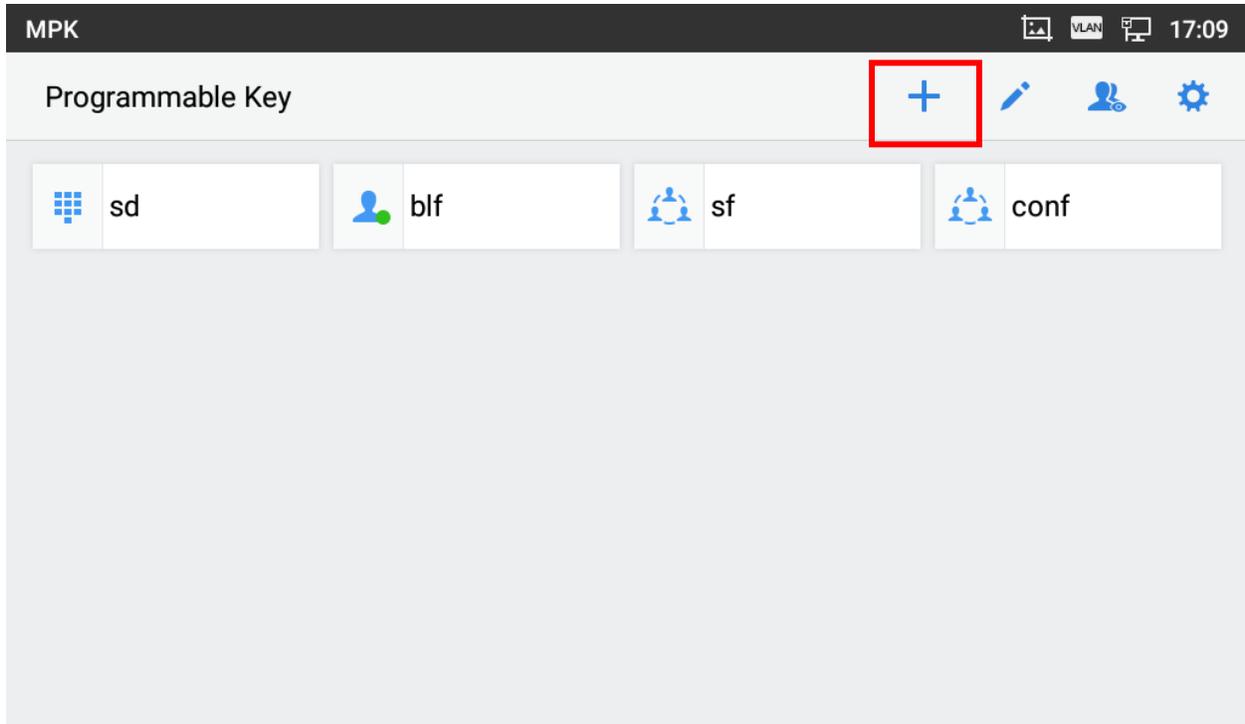
This allows users to customize the MPK widget. Long press the MPK widget and release, then the white border would show up. Drag the white dot on border to adjust the size.



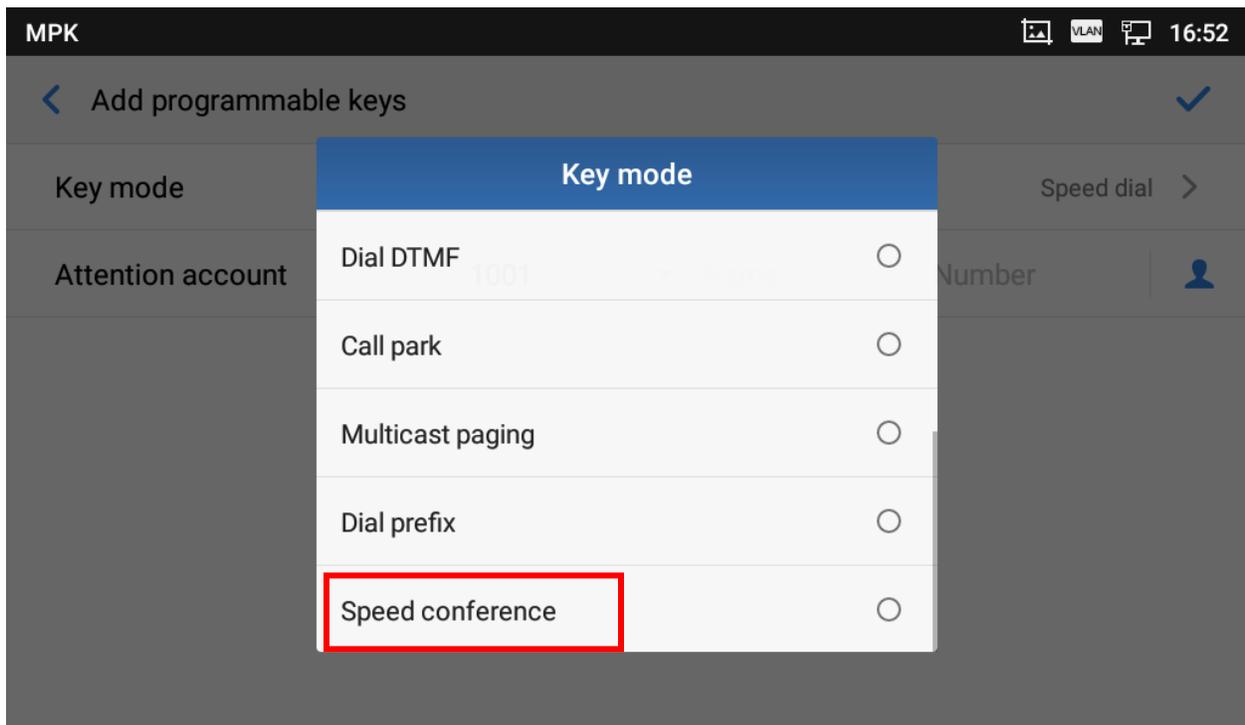
SPEED CONFERENCE

User can configure speed conference in MPK, without adding members every time to start a conference call.

1. From LCD -> MPK app: Click "+" to choose a new key mode.



2. Scroll down the list and choose “Speed conference”.



3. Configure the conference name, conference members' name and number, etc.

MPK 16:59

[← Edit programmable keys](#) 🗑️ ✓

Key mode Speed conference >

Conference name sf

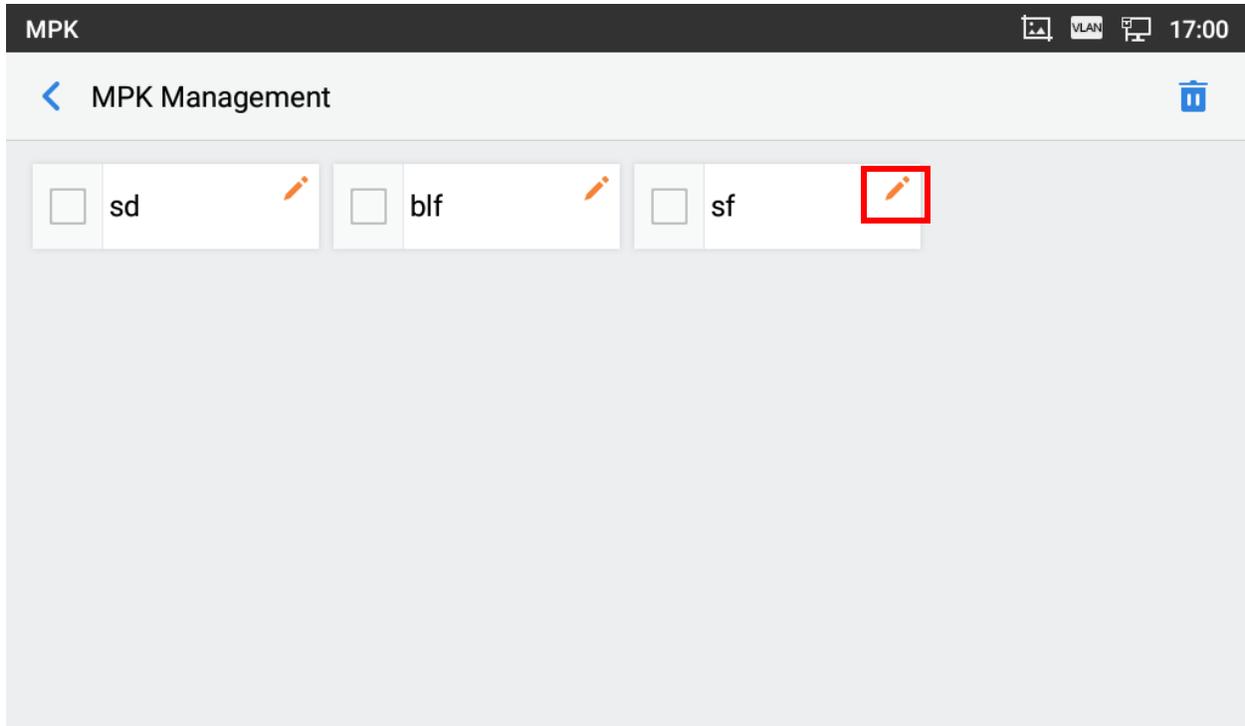
Members mute

Attention account	1001	as	1000	⊖
	1001	sa	1002	👤

4. From the MPK widget on desktop, click the MPK key to start the conference directly.

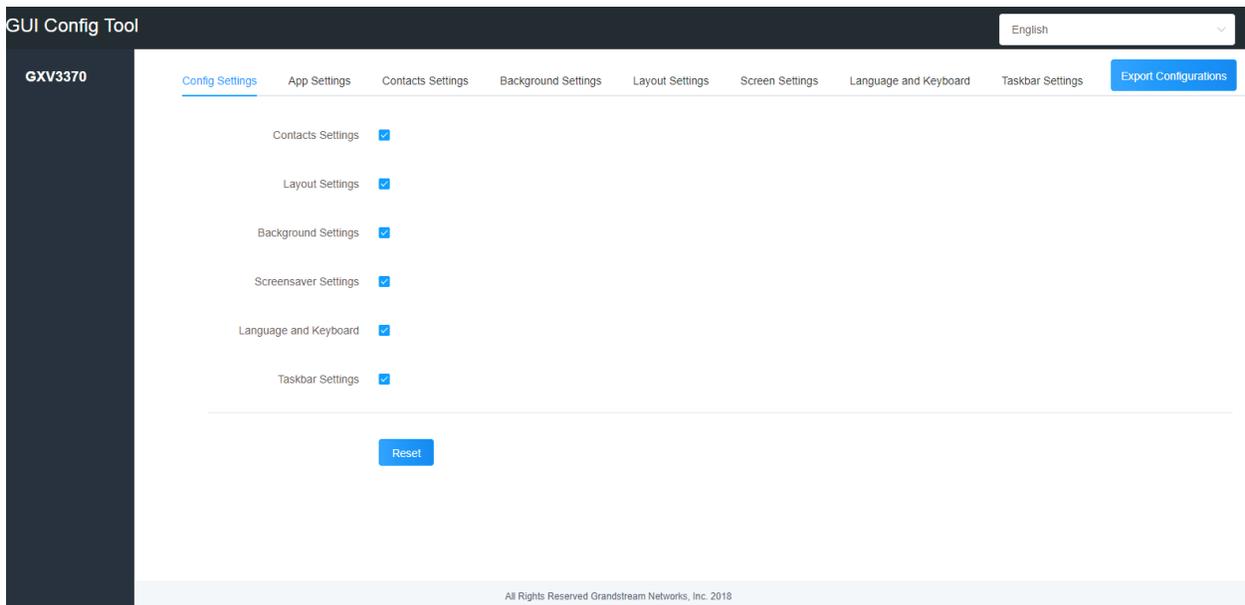
The screenshot shows a desktop environment with a blue background. In the top right corner, there are system icons for USB, audio, VLAN, and a monitor, along with the time 17:30. A central widget displays a grid of programmable keys. The keys are arranged in two columns. The left column contains keys with icons for a phone (1001), a person (blf), and a group of people (conf). The right column contains keys with a grid icon (sd) and a group of people icon (sf). The 'sf' key is highlighted with a red rectangular border. At the bottom of the screen, the time 17:30 and the date TUE, JUL 24 are displayed.

5. In MPK app, click the pen icon on the key can edit the content.

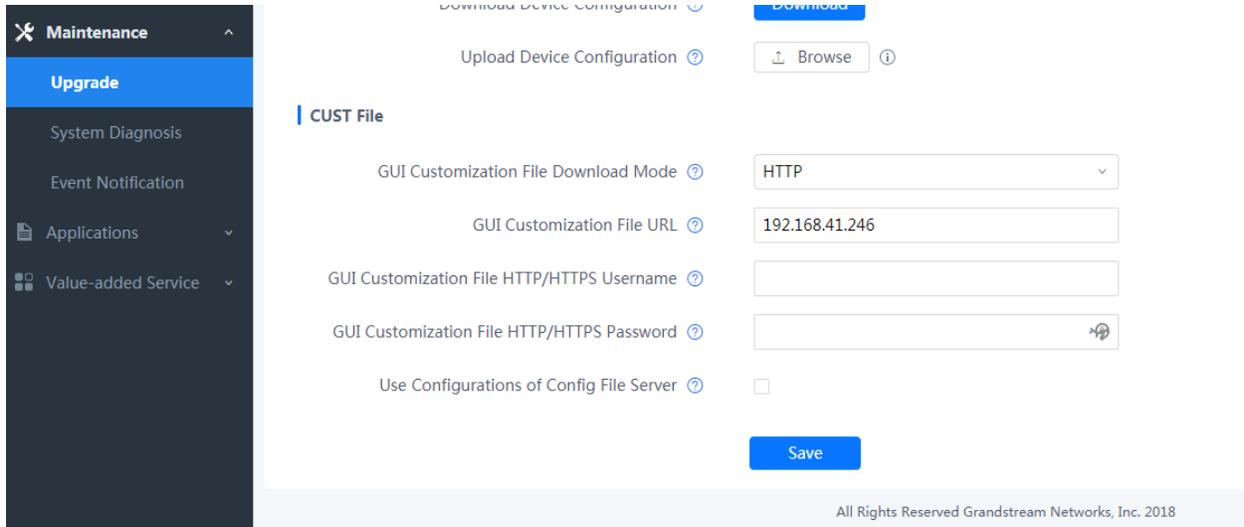


GUI CONFIG TOOL

1. User can go to the website (<http://tools.grandstream.com:8081>) to create a cust file. The website looks like below.



2. After finishing the settings, click the blue “Export Configurations” button to download the cust file, usually named “gxv3370cust”. Go to the device web UI -> Maintenance -> Upgrade -> Config File to setup the method to download the file. Save and reboot device to take effect.



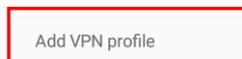
For more details about how to use GUI Config Tool for GXV3370, please check GXV3370 GUI Customization Web Tool Guide here:

http://www.grandstream.com/sites/default/files/Resources/GXV3370_GUI_Customization_Web_Tool_Guide.pdf

VPN SETTINGS

User can configure VPN profile from LCD Settings -> Network -> VPN.

1. Tap on Menu softkey to display “Add VON profile” shown as below.



2. Edit the VPN profile shown as below. After saving the profile, the new VPN will be display like the “OpenVPN for Andoidr” above

